

Electronic Acknowledgement Receipt

EFS ID:	2648431
Application Number:	10812062
International Application Number:	
Confirmation Number:	1313
Title of Invention:	Target bitrate estimator, picture activity and buffer management in rate control for video coder
First Named Inventor/Applicant Name:	Barin Geoffry Haskell
Customer Number:	23838
Filer:	Wesley W. Jones/jin li
Filer Authorized By:	Wesley W. Jones
Attorney Docket Number:	13316-3293
Receipt Date:	28-DEC-2007
Filing Date:	30-MAR-2004
Time Stamp:	16:25:01
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 180
RAM confirmation Number	1338
Deposit Account	110600
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement Letter	3293Statement.pdf	74562	no	3
			09b295850be1644320a67fbc2c2266319 18e7778		
Warnings:					
Information:					
2	Information Disclosure Statement Letter	3293Ref.pdf	104587	no	2
			c74956a77779b585c308bc24437327cb e5de1af		
Warnings:					
Information:					
3	NPL Documents	34Low-delay-rate.pdf	3437678	no	13
			28f945d53-0db2c2d2b11c0f227b7b7 1b7b7b8		
Warnings:					
Information:					
4	NPL Documents	35Optimum-bit-allocation.pdf	2601578	no	10
			d4829482b7366bc709a93e2ee81449f 1d8b2b8		
Warnings:					
Information:					
5	NPL Documents	36A-unified-rate-distortion.pdf	4242047	no	16
			4e4a8bc203a163874963d932ec28ea3 3a12c5cf		
Warnings:					
Information:					
6	NPL Documents	78Joint-encoder-and.pdf	3456721	no	14
			71447369912bf1d110d110f10e93830b 78ba51fc		
Warnings:					
Information:					
7	NPL Documents	81Rate-control-of.pdf	2385854	no	10
			1315d79183cd1f59513dc0968bd14eeb4 9c8b79b6		
Warnings:					
Information:					
8	NPL Documents	82Encoding-stored-video.pdf	3104013	no	12
			2aabb13ca4a9d9ba243ab7a02a6b0b 8112b6a3a		
Warnings:					
Information:					

9	NPL Documents	83A-frame-layer.pdf	1424317 43461402723c385e16b2b9d0350a2b1 4b9a27b2ca	no	6
Warnings:					
Information:					
10	NPL Documents	84Rate-control-for-VBR.pdf	3991576 0ee4105ed357e16c789393acab53c89 505eb336	no	15
Warnings:					
Information:					
11	NPL Documents	85A-rate-control-for.pdf	3774387 9d113356a5c48b675d4d77d52ab0c52289 97c1c0d5	no	13
Warnings:					
Information:					
12	NPL Documents	86Encoding-stored-video.pdf	4180225 9a70a4506e4b5833061d1b0c478c1d8e 5dc200e1	no	12
Warnings:					
Information:					
13	NPL Documents	87Joint-rate-control.pdf	1320620 5b1c0ba38b0c5a03a4d0c519a02bb4b 606273a5	no	6
Warnings:					
Information:					
14	NPL Documents	88Rate-control-in.pdf	4071718 8bebe30a41591acc1ed5611879e375a 53e920fa	no	15
Warnings:					
Information:					
15	NPL Documents	89Rate-control-for-an-embed- ded.pdf	1981614 759734c1ab33fab61254b96742701191 54ce2707	no	8
Warnings:					
Information:					
16	NPL Documents	90An-active-scene.pdf	2543359 2c1a0b78f520710b19f0841a2b6c6f265 1bb2bd	no	13
Warnings:					
Information:					
17	NPL Documents	91MPEG-4-one-pass.pdf	1516989 7940e090b1b0ca0a56711044b47d5450 609fa0ef1	no	6
Warnings:					
Information:					

18	NPL Documents	92MPEG-4-rate.pdf	4139756 11c5d51fe8389369cf72ba1b2e413a37 4ca00b2	no	15
Warnings:					
Information:					
19	NPL Documents	93Rate-controland.pdf	4902662 6065da6189684776632b6041804082c 211e8873	no	17
Warnings:					
Information:					
20	NPL Documents	94Scalable-rate-control.pdf	4100217 80d32b6c2c23f935f470b255c37420c7f 279e1375	no	18
Warnings:					
Information:					
21	NPL Documents	95A-study-of.pdf	1836863 f85ea4365ebc67620c733c2918b30c0e 56e9734e	no	8
Warnings:					
Information:					
22	NPL Documents	96Bit-allocation-for.pdf	4097869 75c5ea3df1da1657615cf355848548277 77828036	no	16
Warnings:					
Information:					
23	Fee Worksheet (PTO-06)	fee-info.pdf	8223 185a7048e6e5287160291123da18a81 a9d59a	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			63297435		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.